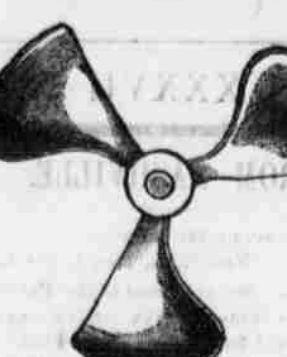

EAGLE WING PROPPELLER.



Triumph in Mechanical Art!

It adds to the form of the Helicoidal Screw, concave propelling surface formed by a union of easy outward and rearward curves, which not only avoids angular motion, or slip, but draws the water in from the circumference belt, creating

Compacted Discharge Directly Aft

A recent trial test was made on the Yacht "Lookout" at New York. A "True Screw" and "Eagle Wing," each 4-bladed, of 4 1/2 feet diameter, with 18 inches width of blade, and 8 feet pitch were run, respectively, under a steam pressure of 20 lbs., giving the following result:

"TAURUS":
 Revolutions per minute, 210;
 Total revolutions, 12,600;
 Distance per hour, 15.1-16 miles or 84,800 feet.

"EAGLE WING":
 Revolutions per minute, 108;
 Total revolutions, 10,800;
 Distance per hour, 16.3-16 miles or 83,222 feet.

The positive slip of the "True Screw" was 15.8-16 per cent and the "Eagle Wing" slip of the "Eagle Wing" was 6.4-10 per cent. Difference of the bulk of slip 22.2-10 per cent. The respective aggregates of horsepower, or fuel expended, were as 210 to 108—full 20 per cent. more for the "True Screw," whilst the "Eagle Wing" gave 1.6-19 per cent. superior speed of vessel, the aggregate of 21.6-10 per cent. superior efficiency for the "Eagle Wing."

Owners of Vessels

Using this Propeller, can, as they choose, maintain their present speed with

20 to 25 Per Cent. Less Fuel

Or, with the same fuel, attain the above percentage of higher speed.

ITS USE APPLIES TO

Light Draught River Steamers

As well as to

Lake and Ocean Vessels.

The combined interest, under Domestic and Foreign Patents, is controlled by the

'Patterson Propeller Co'

N. A. PATTERSON, President.
 THOS. I. RAMSEY, Sec. & Treas.

COMPANY OFFICE:
LENOIR'S, TENN.

Inquiries addressed to the Company Office will receive prompt attention.
 Orders addressed to the Company, care of "J. C. B. DELAMATER," State and Regime Builders, Foot of West Thirtieth Street, New York, will be promptly filled.
 Circular Price Lists furnished by the Secretary. W11542911

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BROAD STREET,
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ROGAN, KELLEY & CO.,

MANUFACTURERS OF
STEAM ENGINES, MILL GEARINGS, CIRCULAR SAW MILLS, TURBINE WATER WHEELS, CANE MILLS, HOLLOW WARE, Abram's Pat. Grave Covering AND CASTINGS OF ALL KINDS.

OUR STOCK OF
GEAR PATTERNS

is unsurpassed by any in the State, and we respectfully request all persons who contemplate building and repairing Mills, or other Machinery, to give us a call before purchasing elsewhere.

MACHINERY REPAIRED

PROPERLY AND WITH DISPATCH
PRICES REDUCED

To suit the times.

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MANUFACTURERS OF
BAR IRON, CASTINGS, MACHINERY, IRON FENCING, RAILROAD SPIKES, COIL NAILS, &c.

MINERS AND DEALERS IN
Coal Creek Coal and Coke.

Chancery Court at Knoxville.

No 2838.
 Wm McMurray and wife Mary L McMurray vs.
 A D Cline.

IT APPEARING FROM THE BILL, WHICH it is sworn to, that the defendants, Henry Harrison, George Bell, James Bell, Martin Williams, Williams, George Bell, Archie Bell, Laura Bell and infant child of John Bell, deceased, are citizens of Missouri and non-residents of the State of Tennessee, it is ordered that the defendants do appear before the Chancery Court at Knoxville, Tennessee, on the 1st Monday in January next, 1876, and make defense to the bill in this cause, or the same will be taken for confessed. This notice will be published in the Knoxville Whig and Chronicle for four weeks.